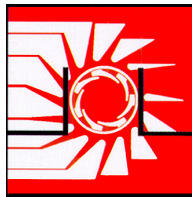
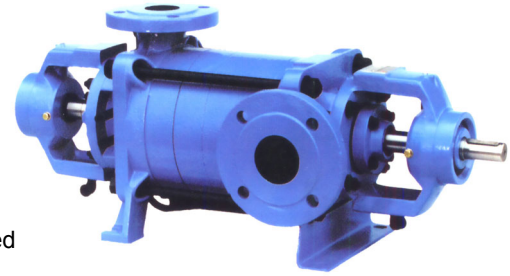


TMA 40 Multi Stage Centrifugal Pump



TRAVAINI

- HEAD** : 250 to 1100 FT.
CAPACITY : 50 to 140 USGPM
FEATURES : Multi-stage centrifugal pumps which employ a closed type impeller design; Axial thrusts are balanced by special blades on back of impellers; Heavy duty outboard single bearing and angular bearings absorb remaining thrusts; One-piece stage/diffuser element increases efficiencies, simplifies maintenance and reduces weight
SHAFT SEALING : Single mechanical seals -
 (Optional) Double mechanical seals - Stuffing box
OPTIONS : Bareshaft - Directly coupled to electric motor
 - Mounted on baseplate
OPERATING LIMITS : Maximum liquid temperature with stuffing box 250°F;
 Max. liquid temp. with cooled stuffing box 320°F;
 Max. discharge pressure of 580 PSIG; Max. suction pressure of 230 PSIG; Temperature limits are also dictated by the type of mechanical seal used
FLANGE ORIENTATION : Standard – Suction facing left viewed from drive end
 Optional – Suction facing right or top viewed from drive end



TECHNICAL DATA at 3500 RPM (60 HZ)

CAPACITY	USGPM	50		60		80		100		120		140	
		FT	HP	FT	HP	FT	HP	FT	HP	FT	HP	FT	HP
MODEL	Flange size In 2 1/2" Out 2"												
TMA 40-3		363	11.4	360	12.0	345	13.2	321	14.4	282	15.9	237	17.1
TMA 40-4		484	15.2	480	16.0	460	17.6	428	19.2	376	21.2	316	22.8
TMA 40-5		605	19.0	600	20.0	575	22.0	535	24.0	470	26.5	395	28.5
TMA 40-6		726	22.8	720	24.0	690	26.4	642	28.8	564	31.8	474	34.2
TMA 40-7		847	26.6	840	28.0	805	30.8	749	33.6	658	37.1	553	39.9
TMA 40-8		968	30.4	960	32.0	920	35.2	856	38.4	752	42.4	632	45.6
TMA 40-9		1089	34.2	1080	36.0	1035	39.6	963	43.2	846	47.7	711	51.3
NPSH	FT	5.0		5.5		8.0		12.0		17.0		22.0	

MODEL DESIGNATION

TMA 40 - 4 / 1X - C / A3	
T	Travaini manufacturer
M	Multi-stage centrifugal pump
A	High pressure
40	Pump series
4	Number of stages
1	Construction design level 1 = Standard bearings 1x = Double bearings at drive end
C	Type of sealing on shaft C = 2 Mechanical seals RR = Double mec. seals back to back R2 = Double mec. seals in series B = Packed stuffing boxes
A3	Materials of construction (see table)

STANDARD MATERIALS OF CONSTRUCTION **				
Part No.	Description	F	RA	A3
106	Suction casing	Ductile iron		Stainless steel AISI 316
107	Discharge casing	Ductile iron		
108.1	Stage casing	Cast iron		
165	Heating or Cooling cover	Cast iron		
210	Shaft	S.S. AISI 420		
230	Impeller			
357	Bearing & mech. seal housing	Cast iron		

**Special Materials Available Upon Request
 -For further information please consult Premier Fluid Systems Inc.



Premier Fluid Systems
 Canadian Home Of Travaini Pumps